

Converting Colors

XYZ(68.8817, 67.0030, 40.5555)

Have a look what the booklet for
XYZ(68.8817, 67.0030, 40.5555)
contains.

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Color

**XYZ(68.8336, 66.8460,
40.7271)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC9C
RGB	255, 204, 156
RGB Percent	100%, 80%, 61%
CMY	0.0000, 0.2000, 0.3882
CMYK	0.00, 0.20, 0.39, 0.00
HSL	29°, 100%, 81%
HSV	29°, 39%, 100%
XYZ	68.8336, 66.8460, 40.7271
YIQ	213.7770, 45.8040, -4.1160

Conversions

Conversions Part 2

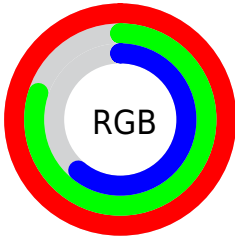
Format	Color
R _Y B	255, 249, 156
Decimal	16764060
CIE Lab	85.43, 11.83, 30.77
CIE LCh	85, 32.966, 68.970
Yxy	66.8460, 0.3902, 0.3789
Android (android.graphics.Color)	4294954140 (0xFFFFCC9C)
YUV	213.7770, -28.4841, 36.1526
Hunter-Lab	81.7594, 7.2010, 27.6972

Details

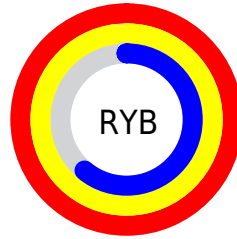
The XYZ color **68.8336, 66.8460, 40.7271** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.0723, 58.9115, 103.1288**, and the grayscale version is **63.9319, 67.2613, 73.2476**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **36.4310, 34.6825, 17.8710** is the 20% darker color. If you saturate the color by 10%, you get **63.9058, 60.0908, 29.5266**, and if you desaturate by 10%, it is **74.4814, 74.3155, 54.4052**.

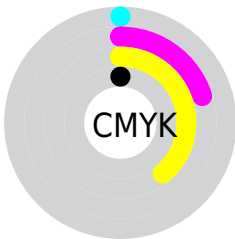
Distribution



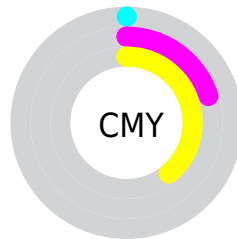
- Red (100%)
- Green (80%)
- Blue (61%)



- Red (100%)
- Yellow (98%)
- Blue (61%)



- Cyan (0%)
- Magenta (20%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8336, 66.8460, 40.7271 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 68.8336, 66.8460, 40.7271 by changing the saturation by 10% instead.


 68.8336, 66.8460,
40.7271


 68.8336, 66.8460,
40.7271


445.7744,
449.3964, 364.8215

 50.8524, 48.9595,
27.7878


 116.5792,
114.6997, 77.5186

 36.3117, 34.5873,
17.9281


 147.0744,
145.4357, 102.2079

 24.8462, 23.3452,
10.7295

182.4715,
181.2237, 131.6510

 16.0907, 14.8486,
5.7734

223.1359,
222.4479, 166.2663

 9.6796, 8.7132,
2.6412

269.4331,
269.4930, 206.4725

 5.2477, 4.5546,
0.9136

321.7283,

 2.4295, 1.9884,

322.7431, 252.6881

0.0000

380.3870,
382.5828, 305.3316

■ 0.8599, 0.6007,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8336, 66.8460,
40.7271

■ 68.8336, 66.8460,
40.7271

■ 63.9058, 60.0908,
29.5266

■ 74.4814, 74.3155,
54.4052

■ 59.6579, 54.0160,
20.6469

■ 80.8765, 82.5126,
70.6965

■ 56.0530, 48.5986,
13.9194

■ 88.0507, 91.4624,
89.7314

■ 53.0478, 43.8101,
9.1505

95.0500, 100.0000,
108.9000

■ 50.5918, 39.6186,
6.1110

■ 48.6150, 35.9837,
4.4695

■ 48.4039, 35.5879,
4.3180

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3774, 66.8460, 49.8441



68.8336, 66.8460, 40.7271



61.3203, 66.8460, 39.2261

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8336, 66.8460, 40.7271



50.3694, 66.8460, 79.3926



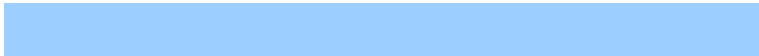
73.0098, 66.8460, 109.7061

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.8336, 66.8460, 40.7271



54.0723, 58.9115, 103.1288

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.8026, 66.8460, 121.4838



68.8336, 66.8460, 40.7271



53.0030, 66.8460, 101.8622

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8336, 66.8460, 40.7271



51.0418, 66.8460, 58.9895



58.5158, 66.8460, 118.3616



77.9169, 66.8460, 88.5769

Rectangle

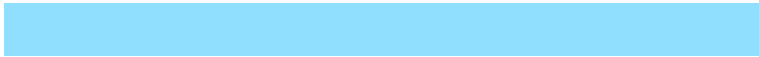
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8336, 66.8460, 40.7271



56.8248, 66.8460, 42.3849



58.5158, 66.8460, 118.3616



70.7540, 66.8460, 115.0614

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



68.8353, 66.8492, 40.7284



85.6851, 88.5361, 83.3788



64.4097, 49.5499, 65.2975



18.1370, 18.6976, 17.3052



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8353, 66.8492, 40.7284



64.7525, 61.2711, 31.3908



82.4768, 94.1321, 45.2756



18.7364, 19.4409, 18.9093



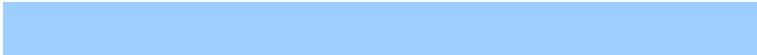
25.4402, 18.8916, 2.3056



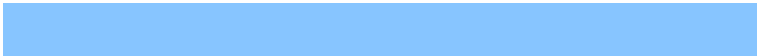
2.5858, 2.0570, 0.2608

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.0723, 58.9115, 103.1288



48.0058, 52.2633, 102.1654



43.9282, 38.6232, 99.7475



17.7769, 18.9253, 22.9660



13.8473, 12.6041, 51.1376



1.4577, 1.4460, 5.0156

Previews

White Background



This preview shows how the XYZ color 68.8336, 66.8460, 40.7271 looks on a white background.

Color Contrast Check

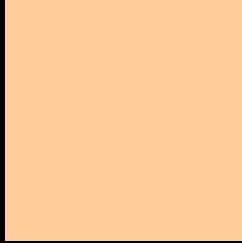
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 68.8336, 66.8460, 40.7271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8336, 66.8460, 40.7271

Background



This preview shows how black text looks on a background with the XYZ color 68.8336, 66.8460, 40.7271.



This preview shows how white text looks on a background with the XYZ color 68.8336, 66.8460,

40.7271.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.8336, 66.8460, 40.7271

Protanopia

62.4525, 66.7846, 42.8568

Deuteranopia

68.3401, 66.9456, 40.7724



Tritanopia

73.5471, 66.8603, 71.3163

Trichromacy



Original Color

68.8336, 66.8460, 40.7271

Protanomaly

64.5645, 66.7735, 42.2866

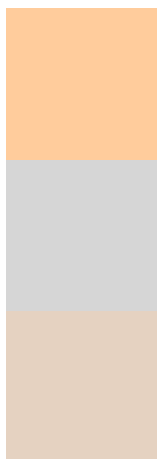
Deuteranomaly

68.7051, 67.1338, 40.7895

Tritanomaly

71.6411, 66.8391, 58.9945

Monochromacy



Original Color

68.8336, 66.8460, 40.7271

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.9853, 66.6015, 59.8823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8336, 66.8460, 40.7271 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 204, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 156)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 204, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 156) }
```

Border

The CSS property to change the border of an element to XYZ 68.8336, 66.8460, 40.7271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 204, 156) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 204, 156) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 204, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8336, 66.8460, 40.7271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 156) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
204, 156) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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